

**METHOD AND SYSTEM FOR SUPPORTING MULTIPLE SERVICE
PROVIDERS WITHIN A SINGLE OPTICAL NETWORK**

10 Analog video signals are communicated from multiple service providers to
subscribers by using analog optical carriers. Unlike digital optical carriers that
typically support data services or IP TV, analog optical carriers that can be
demodulated or translated back into the analog radio-frequency (RF) signals do not
require additional and costly hardware for reception by a RF receiving device such as
15 a television (TV) set. With the present invention, a TV set does not need significant
digital hardware such as a digital set top box to allow the TV set to view video signals
from a desired service provider. The present invention can allow a plurality of
competing service providers to offer video services to a subscriber through a single
optical network.

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